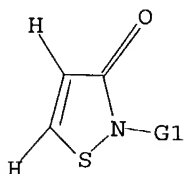
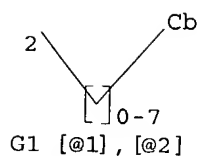


=> d l1
 L1 HAS NO ANSWERS
 L1 STR



Ak¹



Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'REGISTRY' ENTERED AT 08:59:46 ON 10 NOV 2004)

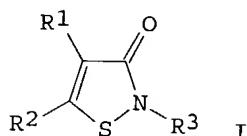
DEL HIS
 L1 STRUCTURE UPLOADED
 L2 29 S L1
 L3 498 S L1 FULL
 L4 467 S L3 AND CAPLUS/LC
 L5 31 S L3 NOT L4
 L6 151 S L3 AND 1/NC
 L7 144 S L6 AND 1-2/NRS
 L8 125 S L7 AND CAPLUS/LC
 L9 19 S L7 NOT L8
 L10 0 S L9 AND CAOLD/LC
 L11 9 S L7 AND REF.CAPLUS>10
 L12 4 S L7 AND REF.CAPLUS>20
 L13 140 S L7 NOT L12

FILE 'CAPLUS' ENTERED AT 09:11:59 ON 10 NOV 2004

L14 95 S L13
 L15 48 S L14 AND L12
 L16 12 S L15 AND (?DISINFECT?)

L22 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1988:556318 CAPLUS
 DOCUMENT NUMBER: 109:156318
 TITLE: Medical disinfectants containing isothiazolin-3-ones
 INVENTOR(S): Jordan, Ulrich
 PATENT ASSIGNEE(S): Fed. Rep. Ger.
 SOURCE: Ger. Offen., 8 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3702546	A1	19880811	DE 1987-3702546	19870129
PRIORITY APPLN. INFO.: OTHER SOURCE(S): GI	MARPAT	109:156318	DE 1987-3702546	19870129

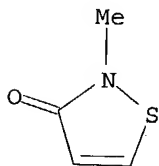


AB Medical disinfectants contains isothiazolin-3-ones I [R1 = H, Me, Et, alkyl; R2 = H, halo, alkylsulfate, arylsulfonate, (un)branched C6-12 alkyl, R3 = H, Me, (un)branched C6-12 alkyl]. A disinfectant contained I (R1 = R2 = H, R3 = octyl) 0.01, ethylene glycol 10, lauryl ether sulfate 0.033, iso-PROH 5, EDTA 10, AcOH 0.7, perfume 0.08, and H2O 74.17% by weight

IT 2682-20-4, 2-Methyl-4-isothiazolin-3-one 26530-20-1,
 2-N-Octyl-4-isothiazolin-3-one
 RL: BIOL (Biological study)
 (medical **disinfectants** containing)

RN 2682-20-4 CAPLUS

CN 3(2H)-Isothiazolone, 2-methyl- (9CI) (CA INDEX NAME)

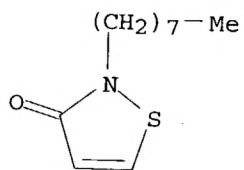


RN 26530-20-1 CAPLUS

CN 3(2H)-Isothiazolone, 2-octyl- (9CI) (CA INDEX NAME)

10/809,828

Page 2



L22 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1994:227054 CAPLUS
 DOCUMENT NUMBER: 120:227054
 TITLE: Method of disinfecting a contact lens and preserving a
 contact lens care solution
 INVENTOR(S): Yen, Shau F.; Nicolson, Paul C.
 PATENT ASSIGNEE(S): Ciba-Geigy Corp., USA
 SOURCE: U.S., 6 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5290512	A	19940301	US 1992-966770	19921026
EP 595769	A1	19940504	EP 1993-810731	19931018
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
AU 9349149	A1	19940512	AU 1993-49149	19931020
CA 2109019	AA	19940427	CA 1993-2109019	19931022
FI 9304693	A	19940427	FI 1993-4693	19931022
NO 9303840	A	19940427	NO 1993-3840	19931025
ZA 9307901	A	19940722	ZA 1993-7901	19931025
JP 06190025	A2	19940712	JP 1993-266916	19931026
US 1992-966770				19921026

PRIORITY APPLN. INFO.:

AB An antimicrobial activity is imparted to a contact lens composition by adding to the composition an effective amount of 5-chloro-2-methyl-4-isothiazolin-3-one (I) and 2-methyl-4-isothiazolin-3-one (II). For example, a 50 ppm Kathon CG solution contained NaCl 7.8, Na₂HPO₄ 4.76, NaH₂PO₄ 0.714, I 0.0384, II 0.0117g, and distilled water to 1L.

IT 55965-84-9, Kathon CG

RL: BIOL (Biological study)

(contact lens **disinfecting** solns. containing)

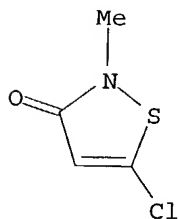
RN 55965-84-9 CAPLUS

CN 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone (9CI) (CA INDEX NAME)

CM 1

CRN 26172-55-4

CMF C4 H4 Cl N O S

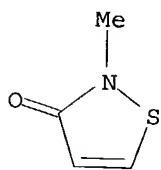


CM 2

10/809,828

Page 2

CRN 2682-20-4
CMF C4 H5 N O S



L15 ANSWER 47 OF 48 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1970:111459 CAPLUS
 DOCUMENT NUMBER: 72:111459
 TITLE: Pesticidal substituted 3-isothiazolinones
 INVENTOR(S): Lewis, Sheldon Noah; Miller, George Allen; Law, Andrew B.
 PATENT ASSIGNEE(S): Rohm and Haas Co.
 SOURCE: Fr., 15 pp.
 CODEN: FRXXAK
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 5
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1555416	A	19690124	FR 1968-1555416	19680308
US 3523121	A	19700804	US 1967-672437	19671003
DE 1695670	A	19701210	DE 1968-1695670	19680217
DE 1792775	A1	19750619	DE 1967-1792775	19680217
DE 1792775	C2	19831020		
DE 1695670	B2	19800514	DE 1968-R48030	19680217
DE 1695670	C3	19810122		
DK 130073	B	19741216	DK 1968-825	19680229
NL 6803118	A	19680910	NL 1968-3118	19680305
NL 160263	B	19790515		
SE 377692	B	19750721	SE 1968-2895	19680305
BE 711882	A	19680909	BE 1968-711882	19680308
ES 351401	A1	19691216	ES 1968-351401	19680308
CH 683451	A4	19701015	CH 1968-345168	19680308
CH 502058	A	19710131	CH 1968-502058	19680308
GB 1224662	A	19710310	GB 1968-1224662	19680308
CH 510382	A	19710731	CH 1968-510382	19680308
NO 123004	B	19710913	NO 1968-912	19680308
AT 297397	B	19720327	AT 1968-2343	19680308
IL 29605	A1	19720928	IL 1968-29605	19680308
FI 51698	B	19761130	FI 1968-633	19680308
PL 79292	P	19750630	PL 1968-125730	19680309
CS 193452	P	19791031	CS 1968-1866	19680309
PRIORITY APPLN. INFO.:			US 1967-621780	19670309
			US 1967-672437	19671003
			US 1967-621770	19670309

GI For diagram(s), see printed CA Issue.
 AB The title compds. (I) were prepared Thus, 0.05 mole 3-hydroxyisothiazole (II) in benzene and 0.05 mole (Me nCO) in a 50% benzene solution gave 70% I (R = H, R' = H, Y = CON hMe), m. 138-40°. II with MeNCS gave I (R = H, R' = H, Y = C(:S)NHMe), m. 155-8°. Similar I prepared were (R, R', Y, and m.p. [of salt if shown] given): H, Me, CONHCH3, 138-45°; Br, Me, CONH-CH3, 191-5°; CN, SCH3, CONHCH3, 207-10°; CN, SOCH3, CONHCH3, 158-60°; CN, SO2CH3, CONHCH3, 146-50°; H, H, CONHBu, oil; H, H, CONHC8H17-tert, oil; H, Me, CONHC6H5, 142-6°; CN, SCH3, CONHC6H5, 183-6°; Br, Me, CONHC6H4Cl-3, 200-2°; H, CH2Br, CONHC6H4Cl-3, 178-80°; H, Me, CONHC6H4Cl-3, 142-4°; CN, SCH3, CONH-C6H4Cl-3, 192-4°; H, H, CONHC6H4Cl-3, 120-3°; H, Me, CONHC6H4Cl-2, 162-4°; H, CH2Br, CONHC6H4Cl-2, 199-201°; Br, Me, CONHC6H3Cl2-3,4, 235-7°; H, Me, CONHC6-H3Cl2-3,4, 195-207°; CN, SCH3, CONHC6H3Cl2-3,4, 118-20°; H, Me, CONHSO2C6H4CH3-4, 170-3°; CN, SCH3, CONHSO2-C6H4CH3-4, 163-8°; Br, Me, CONHSO2C6H4CH3-4,

199-203°; H, H, CONHC2H5, 103-5°; H, H, CONHCPPr, 84-8°; H, H, CONHPr-iso, 53-6°; Br, H, CONHCH3, 194-7°; H, H, CONHC6H4OCH3-4, 134-7°; H, H, CONHC6H4OCH3-2, 140-5°; H, H, CONHC6H4NO2-3, 195-8°; H, H, CONHC6H3-Cl-4, 172-4°; H, H, CONHC12H25, 60-2°; H, H, CONHC6H3-Cl2-2,5, 179-80°; H, H, CONHCH2CO2C2H5, 80-3°; H, H, CONHC6H4NO2-4, 225-30°; H, Me, CONHC2H5, 53-6°; H, Me CSNHC2H5, 73-103°; H, Cl, CONHC2H5, 53-5°; H, H, Pr, 65-8°; H, H, tert-Bu, 75-9°; H, H, Bu, 99°; H, H, C6H11, 109-11°; H, H, tert-C8H17, 97-100°; H, H, CH2C6H5, 78-80°; H, Cl, Me, 44-7°; H, Cl, CH2C6H5, 57-9°; Cl, Cl, Me, 114-17°; Me, H, Me, 58-68°; Me, H, C6H3Cl2-3,4, 161-3°; H, H, C6H3Cl2-3,4, 131-3°; Cl, Cl, CH2C6H5, 62-4°; Br, Cl, Me, 86-7°; Br, H, Me, 94-7°; H, H, CH2OH, 124-6°; H, H, CH2CH2NEt2, oil; H, H, Pr, (HCl), 87-90°; H, Cl, Me, (HCl), -; H, H, Et, (HCl), 144-6°; H, H, Me, (HCl), 162-6°; H, H, CH2C6H5, (HCl), 147-53°; H, H, n-C12H25, 46-9°; H, H, n-C14H29, 53-5°; H, H, CH2C6H4Cl-4, 87-8°; H, H, CH2C6-H4Cl-2, 99-100°; H, H, CH2C6H3Cl2-2,4, 122-4°; H, H, CH2C6-H3Cl2-3,4, 87-9°; H, H, CH2C6H4OCH3-4, 80-2°; H, H, CH2C6-H4CH3-4, 76-7°; H, H, CH2CH2C6H5, 76-8°; H, Cl, CH2CH2-C6H5, 55-9°; H, H, n-C10H21, 41-2°; Cl, H, tert-C8H17, 137-40°; Br, H tert-C8H17, 138-42°; H, H, n-C9H19, 30-1°; H, Cl, n-C8H17, oil; H, H, C6H4NO2-4, 170-5° (decompn); H, H, C6H4CO1C2-H5-4, 141-2°.

Similarly prepared were I as follows (R, R', Y, and b.p. given): H, H, CH2CH(Bu)(Et), b0.005 119-20°; H, H, CH(Me)(Ph), b0.003 138-40°; H, H, n-C8H17, b0.01 120°.

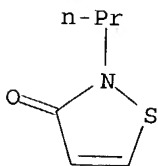
The compds. are fungicides, bactericides, insecticides, nematocides, and miticides, effective against many common species.

IT 21277-92-9 21277-97-4 26172-57-6
 26530-00-7 26530-01-8 26530-09-6
 26530-10-9 26530-11-0 26530-12-1
 26530-13-2 26530-14-3 26530-15-4
 26530-16-5 26530-18-7 26530-20-1
 26533-95-9 26533-97-1 26541-86-6
 26541-87-7 26541-94-6 26542-02-9
 26542-03-0 26542-05-2 26542-06-3
 26542-07-4 26542-08-5 26542-09-6
 26542-10-9 26542-11-0 26542-16-5
 26542-17-6 26542-19-8 26575-77-9

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (pesticidal activity of)

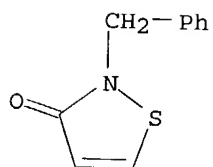
RN 21277-92-9 CAPLUS

CN 3(2H)-Isothiazolone, 2-propyl- (9CI) (CA INDEX NAME)



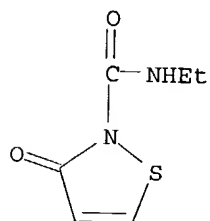
RN 21277-97-4 CAPLUS

CN 3(2H)-Isothiazolone, 2-(phenylmethyl)- (9CI) (CA INDEX NAME)



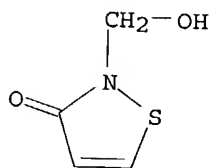
RN 26172-57-6 CAPLUS

CN 4-Isothiazoline-2-carboxamide, N-ethyl-3-oxo- (8CI) (CA INDEX NAME)



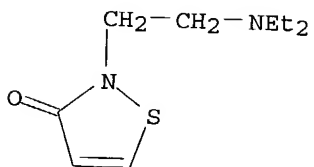
RN 26530-00-7 CAPLUS

CN 3(2H)-Isothiazolone, 2-(hydroxymethyl)- (9CI) (CA INDEX NAME)



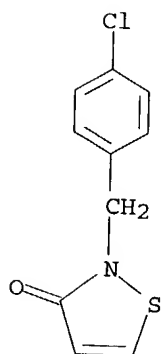
RN 26530-01-8 CAPLUS

CN 3(2H)-Isothiazolone, 2-[2-(diethylamino)ethyl]- (9CI) (CA INDEX NAME)



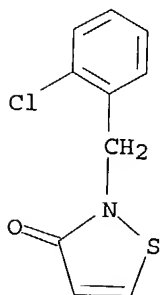
RN 26530-09-6 CAPLUS

CN 3(2H)-Isothiazolone, 2-[(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



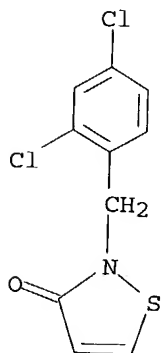
RN 26530-10-9 CAPLUS

CN 3(2H)-Isothiazolone, 2-[(2-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



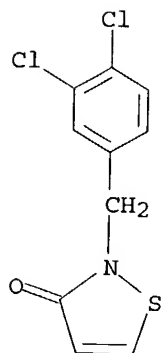
RN 26530-11-0 CAPLUS

CN 3(2H)-Isothiazolone, 2-[(2,4-dichlorophenyl)methyl]- (9CI) (CA INDEX NAME)



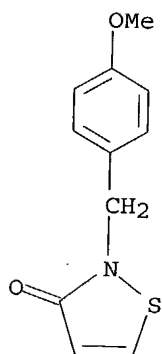
RN 26530-12-1 CAPLUS

CN 3(2H)-Isothiazolone, 2-[(3,4-dichlorophenyl)methyl]- (9CI) (CA INDEX NAME)



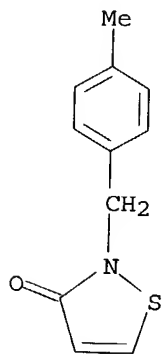
RN 26530-13-2 CAPLUS

CN 3(2H)-Isothiazolone, 2-[(4-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)



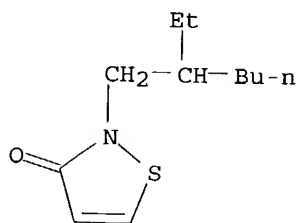
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CN 3(2H)-Isothiazolone, 2-[(4-methylphenyl)methyl]- (9CI) (CA INDEX NAME)

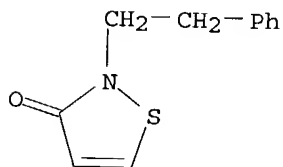


RN 26530-15-4 CAPLUS

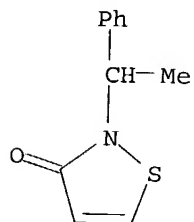
CN 3(2H)-Isothiazolone, 2-(2-ethylhexyl)- (9CI) (CA INDEX NAME)



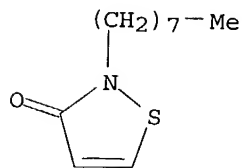
RN 26530-16-5 CAPLUS
 CN 3(2H)-Isothiazolone, 2-(2-phenylethyl)- (9CI) (CA INDEX NAME)



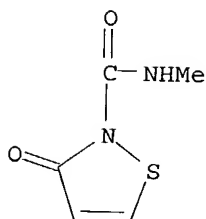
RN 26530-18-7 CAPLUS
 CN 3(2H)-Isothiazolone, 2-(1-phenylethyl)- (9CI) (CA INDEX NAME)



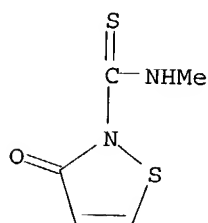
RN 26530-20-1 CAPLUS
 CN 3(2H)-Isothiazolone, 2-octyl- (9CI) (CA INDEX NAME)



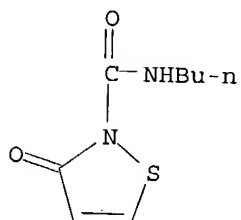
RN 26533-95-9 CAPLUS
 CN 2(3H)-Isothiazolecarboxamide, N-methyl-3-oxo- (9CI) (CA INDEX NAME)



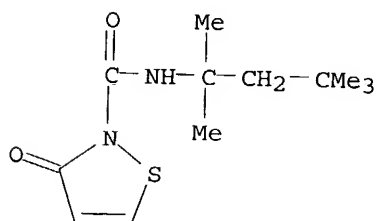
RN 26533-97-1 CAPLUS
 CN 2(3H)-Isothiazolecarbothioamide, N-methyl-3-oxo- (9CI) (CA INDEX NAME)



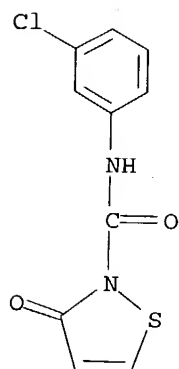
RN 26541-86-6 CAPLUS
 CN 4-Isothiazoline-2-carboxamide, N-butyl-3-oxo- (8CI) (CA INDEX NAME)



RN 26541-87-7 CAPLUS
 CN 2(3H)-Isothiazolecarboxamide, 3-oxo-N-(1,1,3,3-tetramethylbutyl)- (9CI)
 (CA INDEX NAME)

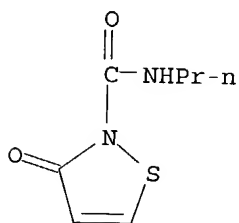


RN 26541-94-6 CAPLUS
 CN 4-Isothiazoline-2-carboxanilide, 3'-chloro-3-oxo- (8CI) (CA INDEX NAME)



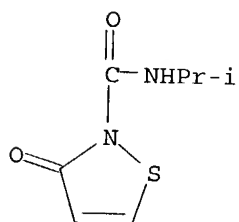
RN 26542-02-9 CAPLUS

CN 4-Isythiazoline-2-carboxamide, 3-oxo-N-propyl- (8CI) (CA INDEX NAME)



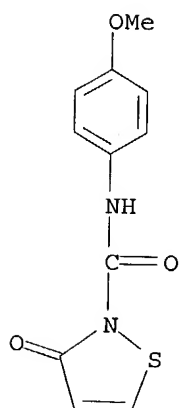
RN 26542-03-0 CAPLUS

CN 4-Isythiazoline-2-carboxamide, N-isopropyl-3-oxo- (8CI) (CA INDEX NAME)



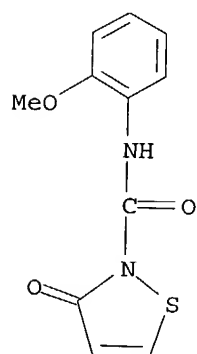
RN 26542-05-2 CAPLUS

CN 4-Isythiazoline-2-carbox-p-anisidide, 3-oxo- (8CI) (CA INDEX NAME)



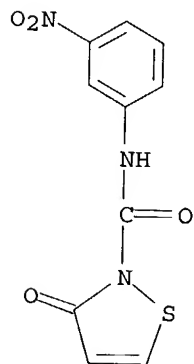
RN 26542-06-3 CAPLUS

CN 4-Isythiazoline-2-carbox-o-anisidide, 3-oxo- (8CI) (CA INDEX NAME)



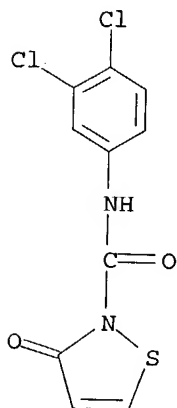
RN 26542-07-4 CAPLUS

CN 4-Isythiazoline-2-carboxanilide, 3'-nitro-3-oxo- (8CI) (CA INDEX NAME)



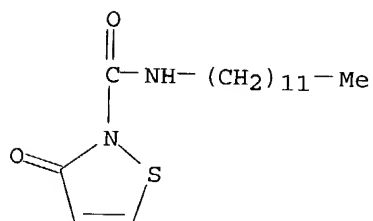
RN 26542-08-5 CAPLUS

CN 4-Isothiazoline-2-carboxanilide, 3',4'-dichloro-3-oxo- (8CI) (CA INDEX NAME)



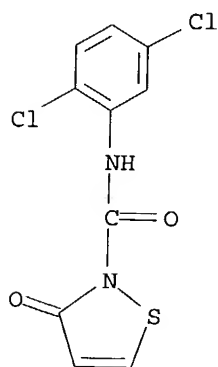
RN 26542-09-6 CAPLUS

CN 4-Isothiazoline-2-carboxamide, N-dodecyl-3-oxo- (8CI) (CA INDEX NAME)



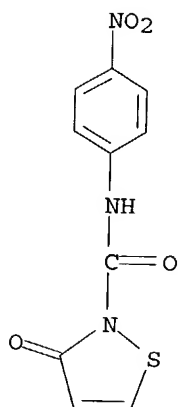
RN 26542-10-9 CAPLUS

CN 4-Isothiazoline-2-carboxanilide, 2',5'-dichloro-3-oxo- (8CI) (CA INDEX NAME)



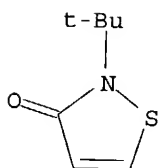
RN 26542-11-0 CAPLUS

CN 4-Isothiazoline-2-carboxanilide, 4'-nitro-3-oxo- (8CI) (CA INDEX NAME)



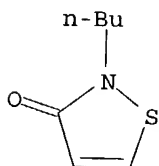
RN 26542-16-5 CAPLUS

CN 3(2H)-Isothiazolone, 2-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



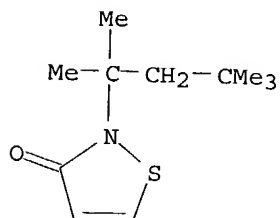
RN 26542-17-6 CAPLUS

CN 3(2H)-Isothiazolone, 2-butyl- (9CI) (CA INDEX NAME)



RN 26542-19-8 CAPLUS

CN 3(2H)-Isothiazolone, 2-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



RN 26575-77-9 CAPLUS

CN Glycine, N-[(3-oxo-4-isothiazolin-2-yl)carbonyl]-, ethyl ester (8CI) (CA
INDEX NAME)